

# PATENT ABSTRACTS OF JAPAN

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## (54) PHOTOPOLYMERIZABLE COMPOSITION

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain a photopolymerizable composition having high photosensitivity in a long wavelength region, improve in photosensitizing rate and suitable for a recording material such as an optical disk, containing respectively specific compound, ammonium borate, an aromatic onium salt and a cationic pigment sensitizer as main components.

**SOLUTION:** This composition is composed of (A) a compound such as an acrylic acid having more than one ethylenic unsaturated bond radically polymerizable by a chemically acting radiation such as electron beam, (B) preferably 1-15 pts.wt. (based on 100 pts.wt. of the component (A) of an aromatic onium salt such as diphenyliodonium chloride, (C) preferably 0.1-5 pts.wt. of a cationic sensitizer sensitizing the component B within a visible light region, such as 3-ethyl-2-[(3-ethyl-2-benzothiazolinidene)methyl]benzothiazolium and (D) preferably 0.5-10 pts.wt. (based on 1 pt.wt. of the component (C) of ammonium borate of the formula [R1-R4 are each an alkyl, an aryl, etc.; R5-R8 are each H, an alkyl, an aryl, etc.] such as tetramethylammonium-n-butyl triphenylborate, as main components.



## LEGAL STATUS

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